

ICOM

VHF AND UHF DIGITAL TRANSCEIVERS

IC-F5360D

VHF Transceiver

IC-F6360D

UHF Transceiver

**Wide Area Coverage
with NXDN™ Type-C Trunking**



TYPE-C

Rugged
MIL-STD 810

GPS

iDAS™
ICOM DIGITAL ADVANCED SYSTEM

Type-C Trunking Compatible

The IC-F5360D series provides NXDN™ Type-C trunking and NXDN™ conventional systems.

- Paging call
- Broadcast call
- All call
- Group call
- Individual call
- Status call
- Text message
- Emergency call
- Stun and Kill (RX)
- Radio check (RX)
- Over-the-air alias
- GPS
- 15-bit digital scrambler
- RAN (Radio Access Number)
- Digital/analog mixed mode operation (Conventional system)

Menu-driven User Interface

The menu-driven user interface provides easy and intuitive operation. The functions can be toggled with the left and right [P2] and [P3] buttons and allow you to perform various operations and settings.



Built-in GPS Receiver*

Your current position data can be attached to a voice or data (status or emergency signal) transmission and can be sent to dispatch stations.

* External GPS antenna required.



Transparent Data

When IC-F5360D series is connected to a PC or other external equipment, the transparent data function allows data communication in a digital mode. It can be used for remote telemetry system control or data applications.

D-Sub Accessory Connector

The IC-F5360D series has a D-Sub 15-pin ACC connector for connecting various external devices.

Other Features

- MIL-STD 810 G rugged construction
 - CTCSS/DTCS/DTMF encoder/decoder*
 - Audio compander*
 - 4W front mounted speaker
 - 512 channels with 128 zones
 - MDC 1200 PTT ID transmission*
 - Inversion voice scrambler*
- (* = Analog mode only)

SPECIFICATIONS

	IC-F5360D	IC-F6360D
GENERAL		
Frequency coverage	136–174MHz	400–470MHz
Number of channels	512 channels/128 zones	
Type of emission	8K50F3E, 8K30F1E/F1D, 4K00F1E/F1D	
Channel spacing	15/12.5/6.25 kHz	
Power supply requirement	13.6V DC	
Current drain Tx (High) (approx.) Rx (Max./Standby)	10A (50W) 0.9A/250mA	10A (45W) 0.9A/250mA
Antenna impedance	50Ω (SO-239)	
Operating temperature range	-30°C to +60°C ; -22°F to +140°F	
Dimensions (WxHxD) (Projections not included)	160×45×150mm; 6.3×1.77×5.91in	
Weight (approx.)	1.3kg; 2.87lb	
TRANSMITTER		
Output power (at 13.6V DC)	50W, 25W, 5W (Hi, L2, L1)	45W, 25W, 4.5W (Hi, L2, L1)
Max. frequency deviation	±2.5kHz (Narrow)	
Frequency stability	±1.0ppm	
Spurious emissions	87dB typ.	80dB typ.
FM Hum and noise	45dB typ. (Narrow)	45dB typ. (Narrow)
Audio harmonic distortion	1% typ. (AF 1kHz 40% deviation)	
FSK error	1% typ. (Digital 6.25/12.5kHz)	
Ext. microphone impedance	600Ω (8-pin modular)	
RECEIVER		
Sensitivity (Analog 12dB SINAD) (Digital 5% BER)	0.25µV typ. -9dBµV emf typ.	
Adjacent channel selectivity	70/70/59dB typ. (Narrow/D 12.5kHz/D 6.25kHz)	
Spurious response rejection	80dB typ.	
Intermodulation rejection	75/70/70dB typ. (Narrow/D 12.5kHz/D 6.25kHz)	
Hum and noise	40dB typ. (Narrow)	
Audio output power	4W typ. (at 5% distortion, 4Ω load)	
Ext. speaker connector	2-conductor 3.5 (d) mm (1/8")/4Ω	

Measurements made in accordance with TIA-603, EN 301-166 and EN 300-113.

All stated specifications are subject to change without notice or obligation.

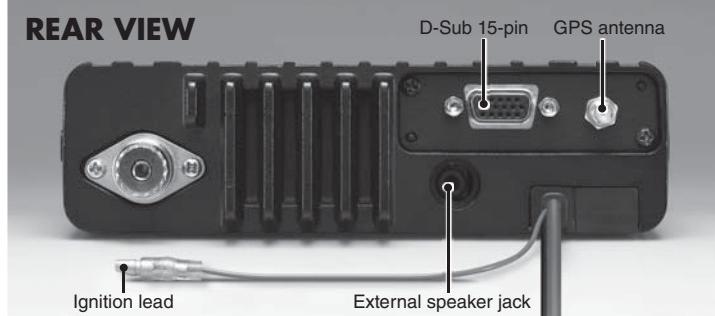
Applicable U.S. Military Specifications

Standard	MIL 810G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I-C
Solar Radiation	505.5	I
Humidity	507.5	II
Vibration	514.6	I
Shock	516.6	I, IV

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

Supplied Accessories

- Hand microphone (HM-148G)
- DC power cable
- Microphone hanger
- Mounting bracket kit

REAR VIEW**OPTIONS**

Some options may not be available in some countries. Please ask your dealer for details.



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Icom Inc.

1-1-32, Kami-minami, Hirano-Ku, Osaka 547-0003, Japan

Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

www.icom.co.jp/world**Count on us!****Icom America Inc.**

12421 Willows Road NE,
Kirkland, WA 98034, U.S.A.
Phone: +1 (425) 454-8155
Fax: +1 (425) 454-1509
E-mail: sales@icomamerica.com
URL: <http://www.icomamerica.com>

Icom Canada

Glenwood Centre #150-6165
Highway 17A, Delta, B.C.,
V4K 5B8, Canada
Phone: +1 (604) 952-4266
Fax: +1 (604) 952-0090
E-mail: info@icomcanada.com
URL: <http://www.icomcanada.com>

Icom Brazil

Rua Itororó, 444 Padre Eustáquio
Belo Horizonte MG,
CEP: 30720-450, Brazil
Phone: +55 (31) 3582 8847
Fax: +55 (31) 3582 8987
E-mail: sales@icombrazil.com

Icom (Europe) GmbH

Communication Equipment
Auf der Krautweide 24
65812 Bad Soden am Taunus, Germany
Phone: +49 (6196) 76685-0
Fax: +49 (6196) 76685-50
E-mail: info@icom-europe.com
URL: <http://www.icom-europe.com>

Icom Spain S.L.

Ctra. Rubí, No. 88 "Edificio Can Castanyer"
Bajos A 08174, Sant Cugat del Vallès,
Barcelona, Spain
Phone: +34 (93) 590 26 70
Fax: +34 (93) 589 04 46
E-mail: icom@icomspain.com
URL: <http://www.icomspain.com>

Icom (UK) Ltd.

Blacksole House, Altira Park,
Herne Bay, Kent, CT6 6GZ, U.K.
Phone: +44 (0) 1227 741741
Fax: +44 (0) 1227 741742
E-mail: info@icomuk.co.uk
URL: <http://www.icomuk.co.uk>

Icom France s.a.s.

Zac de la Plaine,
1 Rue Brindejón des Moulinas, BP 45804,
31505 Toulouse Cedex 5, France
Phone: +33 (5) 61 36 03 03
Fax: +33 (5) 61 36 03 00
E-mail: icom@icom-france.com
URL: <http://www.icom-france.com>

Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road,
Clayton, VIC 3168 Australia
Phone: +61 (03) 9549 7500
Fax: +61 (03) 9549 7505
E-mail: sales@icom.net.au
URL: <http://www.icom.net.au>

Icom New Zealand

39C Rennie Drive, Airport Oaks,
Auckland, New Zealand
Phone: +64 (09) 274 4062
Fax: +64 (09) 274 4708
E-mail: inquiries@icom.co.nz
URL: <http://www.icom.co.nz>

Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,
Taipei, Taiwan, R.O.C.
Phone: +886 (02) 2559 1899
Fax: +886 (02) 2559 1874
E-mail: sales@asia-icom.com
URL: <http://www.asia-icom.com>

Shanghai Icom Ltd.

No.101, Building 9, Caifuxingyuan Park,
No.188 Maotong Road, Chedun Town,
Songjiang District, Shanghai, 201611, China
Phone: +86 (021) 6153 2768
Fax: +86 (021) 5765 9987
E-mail: bjicom@bjicom.com
URL: <http://www.bjicom.com>

Your local distributor/dealer: